

Crosslinkable composition for a battery electrolyte

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Abstract

The field of the present invention relates to the field of batteries and of  
10 polymer electrolytes for batteries and more particularly to the field of lithium  
batteries.

The invention relates to a composition which can be polymerized and/or  
crosslinked photochemically or under an electron beam for a battery electrolyte  
comprising :

15 (a) at least one polyorganosiloxane (POS) (A) comprising, per molecule :

- at least 2 siloxyl units carrying radicals comprising an epoxy (Epx)  
functional group with optionally an ether (Eth) functional group, and
- at least one of the siloxyl units carries a polyoxyalkylene (Poa) ether  
radical ;

20 (b) at least one electrolyte salt ; and

(c) an effective amount of at least one cationic photoinitiator.

25 No figure.